

jc915 U.S. PTO  
12/01/00

A

jc815 U.S. PTO  
09/727612  
12/01/00

Honorable Assistant  
Commissioner of Patents  
Washington, D.C. 20231

Parameter	Value	Unit	Reference
$\rho_{\text{air}}$	1.225	kg/m <sup>3</sup>	[1]
$\rho_{\text{water}}$	1000	kg/m <sup>3</sup>	[1]
$\mu_{\text{air}}$	1.81e-04	Pa·s	[1]
$\mu_{\text{water}}$	0.001	Pa·s	[1]
$\sigma_{\text{air}}$	0.072	N/m	[1]
$\sigma_{\text{water}}$	0.072	N/m	[1]
$\gamma_{\text{air}}$	1.4	-	[1]
$\gamma_{\text{water}}$	1.0	-	[1]
$\nu_{\text{air}}$	1.5e-05	m <sup>2</sup> /s	[1]
$\nu_{\text{water}}$	1e-06	m <sup>2</sup> /s	[1]
$\kappa_{\text{air}}$	0.026	W/m·K	[1]
$\kappa_{\text{water}}$	0.6	W/m·K	[1]
$\alpha_{\text{air}}$	2.1e-05	m <sup>2</sup> /s	[1]
$\alpha_{\text{water}}$	1.4e-07	m <sup>2</sup> /s	[1]
$\beta_{\text{air}}$	2.7e-05	1/K	[1]
$\beta_{\text{water}}$	2.1e-05	1/K	[1]
$\text{Pr}_{\text{air}}$	0.71	-	[1]
$\text{Pr}_{\text{water}}$	7.0	-	[1]
$\text{Sc}_{\text{air}}$	0.71	-	[1]
$\text{Sc}_{\text{water}}$	7.0	-	[1]
$\text{Le}_{\text{air}}$	0.71	-	[1]
$\text{Le}_{\text{water}}$	7.0	-	[1]
$\text{Ma}_{\text{air}}$	0.3	-	[1]
$\text{Ma}_{\text{water}}$	0.001	-	[1]
$\text{Re}_{\text{air}}$	1000	-	[1]
$\text{Re}_{\text{water}}$	1000	-	[1]
$\text{Fr}_{\text{air}}$	1000	-	[1]
$\text{Fr}_{\text{water}}$	1000	-	[1]
$\text{We}_{\text{air}}$	1000	-	[1]
$\text{We}_{\text{water}}$	1000	-	[1]
$\text{Bo}_{\text{air}}$	1000	-	[1]
$\text{Bo}_{\text{water}}$	1000	-	[1]
$\text{Ca}_{\text{air}}$	1000	-	[1]
$\text{Ca}_{\text{water}}$	1000	-	[1]
$\text{Oh}_{\text{air}}$	1000	-	[1]
$\text{Oh}_{\text{water}}$	1000	-	[1]
$\text{Ma}_{\text{air}}$	0.3	-	[1]
$\text{Ma}_{\text{water}}$	0.001	-	[1]
$\text{Re}_{\text{air}}$	1000	-	[1]
$\text{Re}_{\text{water}}$	1000	-	[1]
$\text{Fr}_{\text{air}}$	1000	-	[1]
$\text{Fr}_{\text{water}}$	1000	-	[1]
$\text{We}_{\text{air}}$	1000	-	[1]
$\text{We}_{\text{water}}$	1000	-	[1]
$\text{Bo}_{\text{air}}$	1000	-	[1]
$\text{Bo}_{\text{water}}$	1000	-	[1]
$\text{Ca}_{\text{air}}$	1000	-	[1]
$\text{Ca}_{\text{water}}$	1000	-	[1]
$\text{Oh}_{\text{air}}$	1000	-	[1]
$\text{Oh}_{\text{water}}$	1000	-	[1]

Enclosed herewith are the following papers comprising an application for patent as identified above:

- Please charge the Assignment fee of \$40.00 and the Patent Application filing fee of \$710.00, calculated below, to Account No. 19-3790 of Unisys Corporation. If the calculated fee is incorrect, you are authorized to charge the correct fee.

1.	Basic Fee		\$710.00
2.	Additional Fees		
a.	Number of claims in excess of 20, ( 16-20= 0 ) 0 times \$18		0.00
b.	Number of independent claims minus 3, ( 2-3=0 ) 0 times \$80		0.00
TOTAL		\$790.00	

Correspondence is to be directed to the undersigned attorney of record, and an early acknowledgment will be greatly appreciated.

Respectfully submitted,



Charles A. Johnson  
Unisys Corporation  
P O Box 64942 MS 4773  
St. Paul, MN 55164  
Attorney for Applicant

CAJ/rjn  
(651) 635-7702  
Enclosures

CERTIFICATE UNDER 37 CFR 1.10: The undersigned hereby certifies that this transmittal letter and the paper of papers, as described hereinabove, are being deposited in the United States Postal Service, "Express Mail Post Office to Addressee" having an Express Mail mailing label number of EL027383635US, in an envelope addressed to: COMMISSIONER OF PATENTS AND TRADEMARKS, Washington, D.C. 20231 on this 1<sup>st</sup> day of December, 2000.



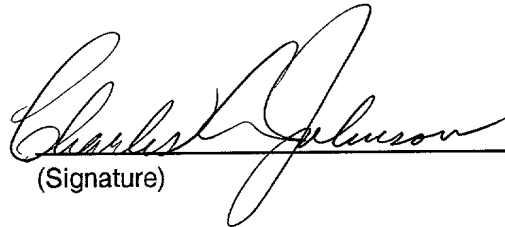
By: Charles A. Johnson  
Reg. No.: 20,852

<b>REQUEST AND                  CERTIFICATION UNDER                  35 U.S.C. 122(b)(2)(B)(i)</b>	First Named Inventor		James A. Sievert
	Title	Method & Apparatus for Implementing Persistent Data in Object Oriented Programs	
	Atty Docket Number	RA 5341 (USYS.023PA)	

J0815 U.S. PTO  
 09/727612  
 12/01/00

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

December 1, 2000  
 (Date)

  
 (Signature)

Charles A. Johnson  
 (Typed or Printed Name)

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**